Ontario Ministry of Northern Development and Mines

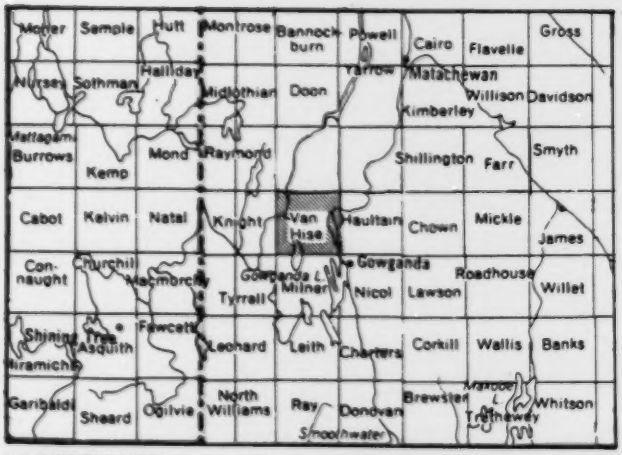
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 515

VAN HISE TOWNSHIP

Compiled by the Staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

CANADA ONTARIO Mineral Development Exploration Minérale

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

91-00225/

NTS Number 41P/10 and 41P/15

Mining Claim Map Number M.254

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1990. Van Hise Township, Geological Data Inventory Folio 515; compiled by the staff of the Resident Geologist's office, Cobalt.

Original Compilation by: Patricia Anderson, March 1, 1989

Date	Page Revised	Revised by

Date	Page Revised	Revised by

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

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ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	Yes	D.P.A.
3	ODM General Index; 9 Volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	N.A.	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	Yes	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	Yes	D.P.A.
14	Author - Subject Articles File	Yes	D.P.A.
15	Miscellaneous Papers: ODM & OGS	No	D.P.A.
16	ODM Geological Circulars: OGS Study Series	Yes	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	Yes	D.P.A.
18	ODM – OGS Open File Reports	yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	Yes	D.P.A.
22	Theses on File, Cobalt	No	D.P.A.
23	Aerial Photographs on File, Cobalt	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
▲ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
▲ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
▲ Bi. . . . . .Bismuth
▲ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
▲ Co . . . . . Cobalt
▲ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
▲ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
▲ gn. . . . . .Galena
△ gt. . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
△ gf . . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
▲ hem . . . . . Hematite
△ il . . . . . .Ilmenite
▲ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
▲ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
▲ mc . . . . . .Malachite
△ Mn . . . . . Manganese
△ mb . . . . . .Marble
△ mar. . . . . .Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . .Millerite
△ mo . . . . . .Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
▲ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
▲ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
△ po . . . . . .Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
▲ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
▲ sm . . . . . .Smaltite
△ sod . . . . . Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd . . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . .Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr. . . . . Zircon
▲ V_2O_5 . . . . . .Vanadium Pentoxide
▲ Cr. . . . . .Chromium

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or listed in Drillhole Summary.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Alpine Silver (Stirrett, J.R., Thompson-Gowganda, Gamey-Thompson, Holwood)	Ag - major Co, Cu - minor arg, cp		MRC 10, p. 369,412 MDIR T 0318	ODM 1926, AR Vol. 35, pt. 3, p. 55 ODM 1921, Map 30b ODM 1962, Map P.159 OGS 1978, Report 175, pp. 57-58 and Map 2348 2 shafts reported, 30' and 50' deep respectively; location unknown
B.	Hedland (Tribag)	Ag - major Co, Ni, Cu, Pb - minor gn, cp, nc		MRC 10, p. 369,412 MDIR T 0322 MNI 41P/10 Ag 47	ODM 1926, AR Vol. 35, pt. 3, p. 56 ODM 1921, Map 30b ODM 1962, Map P.159 ODM 1978, Report 175, pp. 60-61 and Map 2348
C.	Brett Lake	Ag - major Co, Ni, Cu, Bi - minor cob, sm		MDIR T 0319	OGS 1978, Report 175, pp. 58-59 and Map 2348

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
D.	Charbonneau	Cu - major Au - minor		MDIR T 0320	OGS 1978 Report 175, p. 59 and Map 2348
E.	Texmont	Ag - major Co, Ni, Cu - minor		MDIR T 0321	OGS 1978, Report 175, pp. 59-60 and Map 2348
F.	Silverfine Lake (Silverfive Lake)	cp, ery			OGS 1978, Report 175, p. 53 and Map 2348

GDIF FORM NO. 1

VAN HISE TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Alpine Silver Mines Ltd.			20			20 21													
	Gamey-Thompson			10			10													
2	Baxter, George AFRO #2.1670							75				74								
3	Brett Lake Group	24																		
4	Charbonneau, E. Macassa Mines Ltd. option					53														
5	Chibougamau Mining Co. Ltd.							57												
6	Dencroft Mines Ltd. Van Hise & Haultain Tps.	63						64												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	COMPANY/AUTHOR (file number)																		
7	Hasaga Gold Mines Ltd. (Hasaga-O'Brien)				56			56											
8	Hedlund						20												
9	Holland Lake Silver Mines Ltd., 1964																		
10	Holwood Mines Ltd.				51		51-53	63 53 52 52 52											
11	Silverplace Mines Ltd. Van Hise & Haultain Tps. AFRO #63.1354	63			62 65										64				
12	Sutherland, Wm. Don AFRO #63.2398							69	68	68									

GDIF FORM NO. 2

VAN HISE TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
13	Texmont Mines Ltd. AFRO #63.2296				66	66						68	68							
14	Thib, Frank Sylvanite Gold Mines Ltd. option			42		42		42												
15	Gowganda Silver Mines Ltd., Nicol, Milner, Lawson, Chown, Haultain & Van Hise Tps., Group C, C-1		69					72				68								

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1	Hasaga Gold Mines Ltd.	P-1	1956	N19W	-45	0	57		
		P-2	1956	N12W	-45	0	40		
		P-3	1956	S24W	-50	0	110	Co	
		4	1956	S25E	-45	0	70.5		
2	Holwood Mines Ltd.		1951	7 holes drilled totalling 1200'. maps available.				No logs or	
3	Silverplace Mines Ltd.	1	1962	West	-45	26	411	gn, cp, hem, mag	
		2	1962	West	-45	3	600	cp, sm	
4	Silverplace Mines Ltd.	3	1962	West		3	786	cp, sm, gn	
5	Silverplace Mines Ltd.	1	1965	S50E	-45	40	420	cp, mc	
6	Silverplace Mines Ltd.	2	1965	S80W	-45	6	151	py	
		3	1965	N78W	-45	6	197		
7	Silverplace Mines Ltd.	4	1965	N89E	-45	27	175	bn	

GDIF FORM NO. 3

VAN HISE TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth DEGREES	Initial Dip of Hole DEGREES	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
8	Texmont Mines Ltd.	1	1966	Due East	-50	8	1012	py, serp, asb, pent, mag	V_2O_5, Ag, Fe, Ni, Cr
		2	1966	Due East	-50	8	590	mag, serp, asb	

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
12	By: Huntec Ltd. and Lockwood Survey Corp. Ltd. For: Sutherland & Assoc.	Electromagnetic and magnetometer	100'	E/W	1/16 mile

GDIF FORM NO. 4

VAN HISE TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	B horizon soil analysis	Silver by hot acid extraction	By: Warnock Hersey International Ltd.	Nicol Tp. AF: Gowganda Silver Mines Ltd.

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No data available as of March 1, 1989.			

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office, Cobalt.

Alpine Silver Mines Ltd.
Gowganda Silver Mines Ltd.
Hasaga Gold Mines Ltd.
Holwood Mines Ltd.
Silverplace Mines Ltd.

ODM GENERAL INDEX SEARCH

Words searched:
Alpine Silver Mines Ltd.
Baxter, George
Brett Lake
Charbonneau, E.
Chibougamau Mining Co. Ltd.
Davidson Lake
Dencroft Mines Ltd.
Diabase Lake
Dumond Lake
Edith Lake
Firth Creek
Firth Lake
Foot Creek
Foot Lake
Gamey-Thompson
Glasser Bay

Index Volume	Listing:	Report Volume	Part	Page
	*Out of Print			
	N.O.[1] - Report of the Survey and Exploration of Northern Ontario, 1900			
1	Brett Lake, Van Hise tp.	*19	2	172
	Davidson Lake, Haultain tp.			
	Rocks	*19	2	172,173, 178
	View showing	*19	2	169
	Foot Lake, Van Hise tp.			
	Spheroidal weathering near	*19	2	170
	Gamey-Thompson Silver Mine, Spawning lake			
	Operating	*21	1	50
	See also Thompson-Gowganda			
	Obushkong Lake, Van Hise tp.			
	Area	*N.O.[1]		105
	Character of Montreal river near	*N.O.		96
	Forest fires	*19	2	168
	Map showing position	*19	2	166
	silver claims. See map of Gowganda silver area			
	Photo of, in distance	*19	2	169
	Portage from, to Suwamnoking lake	*N.O.		87
	Rocks	*N.O. *19	 2	105 171
	cobalt series	*19 *23	2 2	83,174 33

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:
Gould Lake
Gowganda Silver Mines Ltd.
Hasaga Gold Mines Ltd.
Hasaga-O'Brien
Hedlund
Holland Lake
Holland Lake Silver Mines Ltd.
Holwood Mines Ltd.
Kawakanika Lake
Macassa Mines Ltd.
MacIntosh Creek
MacIntosh Lake
Obushkong Lake
Otter Lake
Pantaloon Lake
Penassi Lake

Index Volume	Listing:	Report Volume	Part	Page
1 cont.	Obushkong Lake, Van Hise tp.			
	diabase	*19	2	178,179
	map. See above map			
	photos	*19	2	175,176
	Silver claims, map showing. See above map			
	Serpentine Lake, Van Hise tp.			
	Serpentine	*19	2	171
	Spawning Lake, Van Hise and Milner tps.			
	Altitude	*19	2	168
	Silver mining near	*23	1	156
	Thompson-Gowganda Mining Co.			
	Capital and date of charter	*19	1	49
	Work by, N.W. of Spawning lake	*23	1	156
	Van Hise Tp., Tim.			
	Forest fires	*19	2	168
	Rocks	*19	2	174
	greenstone	*19	2	170
	Silver claims staked	*19	1	52
2	Alpine Silver Mine, Van Hise tp.			
	Diabase ridge, altitude	*30	3	2
	Map showing location	*30	3	22
	Workings and description	*30	3	41
	Alpine Silver Mines Ltd.			
	Capital and date of charter	*30	1	48
	Mining in Van Hise tp.	*31	10	57

ODM GENERAL INDEX SEARCH

Words searched:

Read Lake
Serpentine Lake
Silverfive Creek
Silverfive Lake
Silverplace Mines Ltd.
Spawning Lake
Stirrett, J.R.
Sutherland, Wm. Don
Texmont Mines Ltd.
Thib, Frank
Thompson, E.J.
Thompson-Gowganda
Tribag Mining Co. Ltd.
Van Hise Township

Index Volume	Listing:	Report Volume	Part	Page
2	Brett Lake, Van Hise tp.			
	Diabase and lamprophyre dikes, N. of	*30	3	7
		*35	3	5
	See map 30b with	*30	3	
	Davidson Lake, Haultain and Van Hise tps.			
	Faults	*35	3	18
	Rocks, Algoman	*30	3	8
		*35	3	9
	diabase	*30	3	17
		*35	3	19
	See map 30b with	*30	3	
	Diabase Lake, Van Hise tp.			
	Diabase	*30	3	16
		*35	3	17
	See map 30b with	*30	3	
	Edith Lake, Haultain and Van Hise tps.			
	Claims, rocks. See map 30b with	*30	3	
	and facing	*29	3	78
	Foot Lake, Van Hise tp.			
	Claims; rocks. See map 30b with	*30	3	
	Gamey-Thompson Silver Mine, Van Hise tp.			
	See Alpine s.m.			
	Gould Lake, Van Hise tp.			
	Claims; rocks. See map 30b with	*30	3	

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Hedlund, L.O.			
	Prospecting, Gowganda s. area	*30	3	42
	Hedlund Silver Mine, Van Hise tp.			
	Description	*30	3	42
	Map showing location	*30	3	22
	See also map 30b with	*30	3	
	McIntosh Lake, Van Hise tp.			
	Claims; rocks. See map 30b with	*30	3	
	Obushkong Lake, Van Hise tp.			
	Cobalt series, conglomerate ridge	*30	3	10,11
		*35	3	12,13
	altitude	*30	3	2
		*35	3	2
	See also map 30b with	*30	3	
	Dam suggested	*27	1	237
	water level stabilized by	*34	3	5
	Diabase	*34	3	27
	olivine	*30	3	19,20
		*35	3	19,20
	ridge, altitude	*30	3	2
		*35	3	2
	Greenstone and serpentine near	*30	3	6
		*35	3	8
	Serpentine Lake, Van Hise tp.			
	Claims; rocks. See map 30b with	*30	3	
	Pillow lava N. of	*30	3	6

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Spawning Lake, Van Hise and Milner tps.			
	Diabase	*30	3	15,16
	Greywacke ridge, altitude	*30	3	2
	Map geological. See map 30b with	*30	3	
	Parallelism with lakes of area	*35	3	2
	Silver mg. near. See Alpine s.m.			
	Thompson, E.J.			
	of Alpine s.m.	*30	3	41
		*31	10	14,57
	Van Hise Tp., Tim.			
	See also Obushkong 1.			
	Forest fires	*30	3	3
	Map geological. See map 30b with	*30	3	
	Rocks	*30	3	6-9
	Silver mg. See Alpine s.m.			
5	Alpine Silver Mines Ltd.			
	Operations (1920, 1921)	62	3	111
	Hasaga Gold Mines Ltd.			
	Capital; officers; operations: (1950)	60	2	26-28
	(1951)	61	2	27,28
	(1952)	62	2	26-28
	Holwood Mines Ltd.			
	Capital; officers; operations: (1952)	62	2	110
	(1953)	63	2	134
	Incorporated	61	1	46

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
5	Van Hise Tp., Tim.			
	Rocks. See Map 1955-3 with	64	5	
	Silver claims	62	2	111
		63	2	134
6	Dencroft Mines Ltd.			
	Change of name	65	1	38
	Tribag Mining Co. Ltd.			
	Change of name	66	1	36
8	Van Hise Tp., Timiskaming Dist.			
	silver/cobalt	MRC 10		412
9	Alpine Silver Mines Ltd.			
	Van Hise Tp., Timiskaming Dist.	GR 175		57
	Brett Lake			
	Van Hise Tp., Timiskaming Dist.	GR 175		58
	Charbonneau Occurrences			
	Van Hise Tp., Timiskaming Dist.			
	report on property	GR 175		59
	Davidson Lake			
	Van Hise & Haultain Tps., Timiskaming Dist.	GR 175		44
	Diabase Lake			
	Van Hise Tp., Timiskaming Dist.	GR 175		55

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Firth Lake			
	Van Hise & Milner Tps., Timiskaming Dist.	GR 175		9-29 passim 47, 57-60 passim
	Firth Silverfive Lakes Fault			
	Van Hise & Milner Tps., Timiskaming Dist.	GR 175		41,60
	Foot Creek Occurrence			
	Van Hise Tp., Timiskaming Dist.			
	report on property	GR 175		49
	Foot Lake			
	Van Hise Tp., Timiskaming Dist.	GR 175		34,36, 41,59
	Gowganda-Obushkong Lakes Fault			
	Gowganda L. area, Timiskaming Dist.	GR 175		15, 41-42
	Hasaga Gold Mines Ltd.			
	Van Hise Tp., Timiskaming Dist.	GR 175		59
	Hedlund, L.O.			
	Gowganda area, Timiskaming Dist.	GR 152		55
		GR 175		60
	Hedlund Property			
	Gowganda area, Timiskaming Dist.	GR 152		28,29, 55
		GR 175		60-61

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ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Holland Lake Van Hise Tp., Timiskaming Dist.	GR 175		58
	Holland Lake Fault Van Hise Tp., Timiskaming Dist.	GR 175		41
	Holwood Mines Ltd. Van Hise Tp., Timiskaming Dist.	GR 175		57
	Obushkong-Gowganda Lakes Fault Gowganda L. area, Timiskaming Dist.	GR 175		15, 41-42
	Obushkong Lake Van Hise Tp., Timiskaming Dist.	GR 175		8,30, 44,55
	Otter Lake Van Hise Tp., Timiskaming Dist.	GR 175		59
	Serpentine Lake Van Hise Tp., Timiskaming Dist.	GR 175		8,11, 47,58, 60
	Silverfive-Firth Lakes Fault Van Hise & Milner Tps., Timiskaming Dist.	GR 175		41,60
	Silverfive Lake Occurrence Van Hise & Milner Tps., Timiskaming Dist. report on property	GR 175		53

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Silverplace Mines Ltd.			
	Van Hise & Milner Tps., Timiskaming Dist.			
	report on property	GR 175		55,56
	Sutherland, W.D.			
	Van Hise Tp., Timiskaming Dist.			
	report on Brett L. Occurrence	GR 175		58-59
	report on Charbonneau Occurrence	GR 175		59
	Texmont Mines Ltd.			
	Van Hise Tp., Timiskaming Dist.	GR 175		59-60
	Thompson, E.J.			
	Van Hise Tp., Timiskaming Dist.	GR 175		57
	Thompson-Gowganda Mine			
	Van Hise Tp., Timiskaming Dist.			
	report on property	GR 175		57
	Tribag Mining Co. Ltd.			
	Van Hise Tp., Timiskaming Dist.			
	report on Hedlund Property	GR 175		60-61
	Van Hise Tp., Timiskaming Dist.			
	Geology of the Gowganda-Miller L. area	GR 175		

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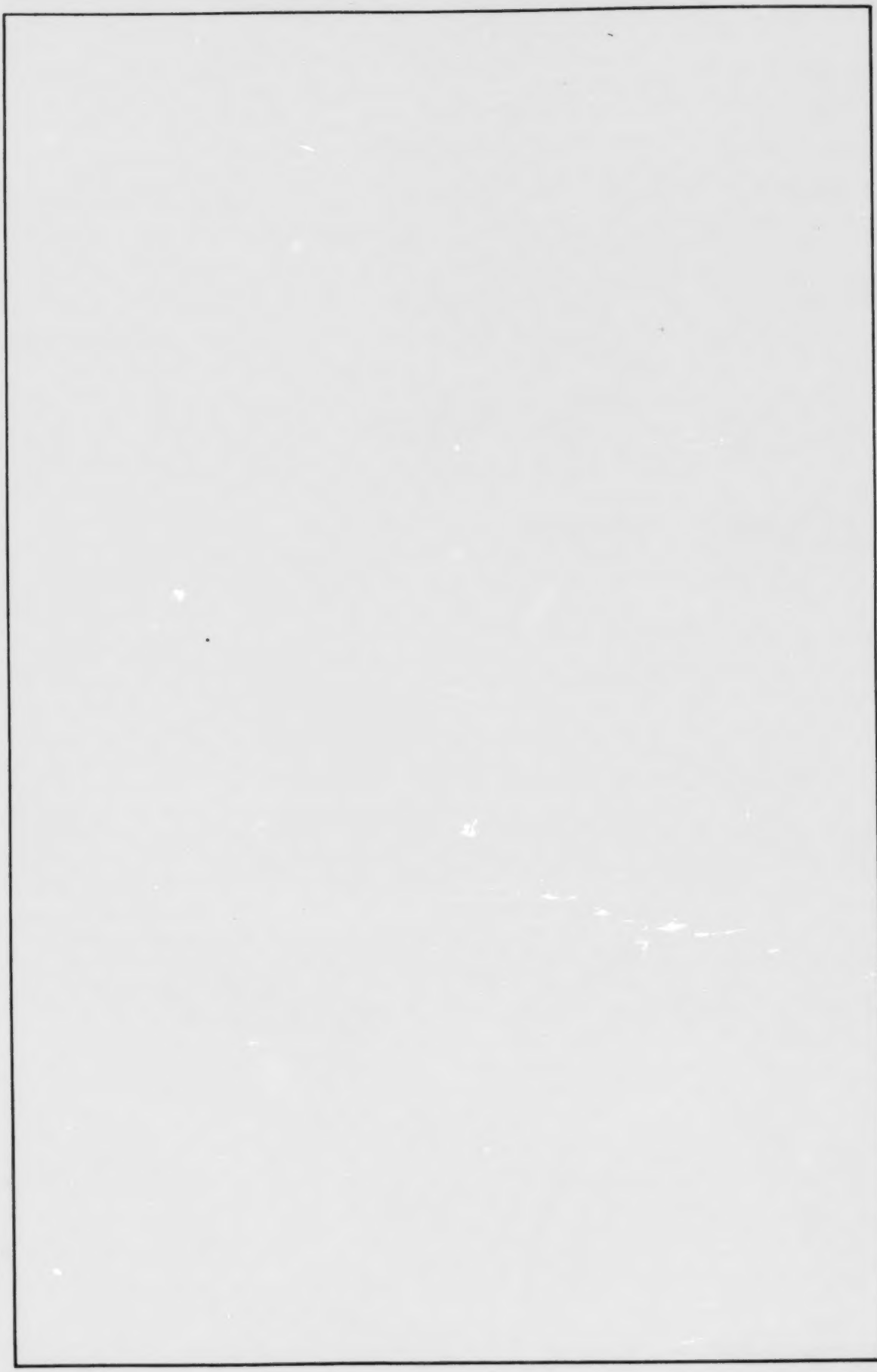

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		*Out of Print		
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Andrews, A.J., Masliwec, A., Morris, W.A., Owsiacki, L., York, D.	1986	The Silver Deposits of Cobalt and Gowganda Ontario. II: An experiment in age determinations employing radiometric and paleomagnetic measurements	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1507-1518
Andrews, A.J., Owsiacki, L., Kerrich, R., Strong, D.F.	1986	The Silver Deposits at Cobalt and Gowganda Ontario. I: Geology, petrography and whole-rock geochemistry	Canadian Journal of Earth Sciences, Vol. 23, No. 10	pp. 1480-1506
Collins, W.H.	1909	Preliminary Report on the Gowganda Mining Division, District of Nipissing, Ontario	*GSC Separate Report 1075 *GSC Map 1076	 1:63 360
Collins, W.H.	1914	The Geology of the Gowganda Mining Division	*GSC Memoir 33 *GSC Memoir 64A	 1:63 360
Easton, R.M.	1986	Geochronology of Ontario, Part 1: Compilation of Data	OFR 5592	179 p.
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Author	Date	Title	Reference	Map Scales and/or Report Pages
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GSC	1956	Aeromagnetic Map, Gowganda, Ont.	GSC Map 284G	1:63 360
Gupta, V.K., Wadge, D.R.	1980	Bouger Gravity and Generalized Geological Map, Temagami-Englehart Area, NTS 31M/W, 41P/E, Tim. + 2 AL Dist., Ont.	OGS Map P.2296	1:100 000
Gupta, V.K.	1981	Bouger Gravity and Generalized Geological Map of Gogama-Gowganda Area, NTS 41P, Timiskaming & Sudbury Dist., Ont.	OGS Map P.2481	1:100 000
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Kretschmar, U., Kretschmar, D.	1980	Talc, Magnesite and Asbestos Deposits in the Kirkland Lake-Timmins Area, NTS 31M, 32D, 41O, 41P, 42A, 42B, Tim. + 2 AL Dist.	OGS OFR 5310	
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Mansinha, L., Wilkinson, D.A.	1983	Grant No. 109; Interpretation of Gravity Data from New Liskeard, NTS 31M/W, 41P/E, Ont.	OGS OFR 5440	
McIlwaine, W.H.	1969	Van Hise Township, District of Timiskaming, Ontario	ODM Map P.517	1:15 840
McIlwaine, W.H.	1975	Geology of the Gowganda Lake-Miller Lake Silver Area, NTS 41P/10, Timiskaming Dist., Ont.	ODM OFR 5113	
McIlwaine, W.H.	1976	Van Hise & Milner Tps., NTS 41P/NE, Timiskaming Dist., Ont.	ODM Map 2348	1:31 680
McIlwaine, W.H.	1978	Geology of the Gowganda Lake-Miller Lake Silver Area, NTS 41P/10, Timiskaming Dist., Ont.	OGS Report 175	
MNR	1982	Ontario Basic Map Sheets	MNR Maps 20 17 5000 52800 20 17 5100 52800 20 17 5000 52700 20 17 5100 52700	1:20 000
MNR		Van Hise Township Claim Map	MNR Map Plan M.254	1" = 40 ch.
Moore, E.S.	1956	Geology of the Miller Lake Portion of the Gowganda Silver Area, Timiskaming Dist., Ont.	ODM AR, 1955, Vol. 64, pt. 5	

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Roed, M.A., Hallett, D.R.	1980	NOEGTS Data Base Map, Elk Lake, NTS 41P/NE, Timiskaming Dist., Ont.	OGS Map 5020	1:100 000
Savage, W.S., Fenwick, K.G.	1962	Gogama Sheet, District of Sudbury and Timiskaming, Ont.	ODM Map P.151	1:126 720
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Surveys and Mapping Branch, EMR	1976	Gowganda, Ont.	NTS 41P/10	1:50 000
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Symons, D.T.A., Stupavsky, M.	1983	Grant No. 143: Analysis of Aeromagnetic Anomalies over Algoman-Type Iron Formations	OGS OFR 5476	
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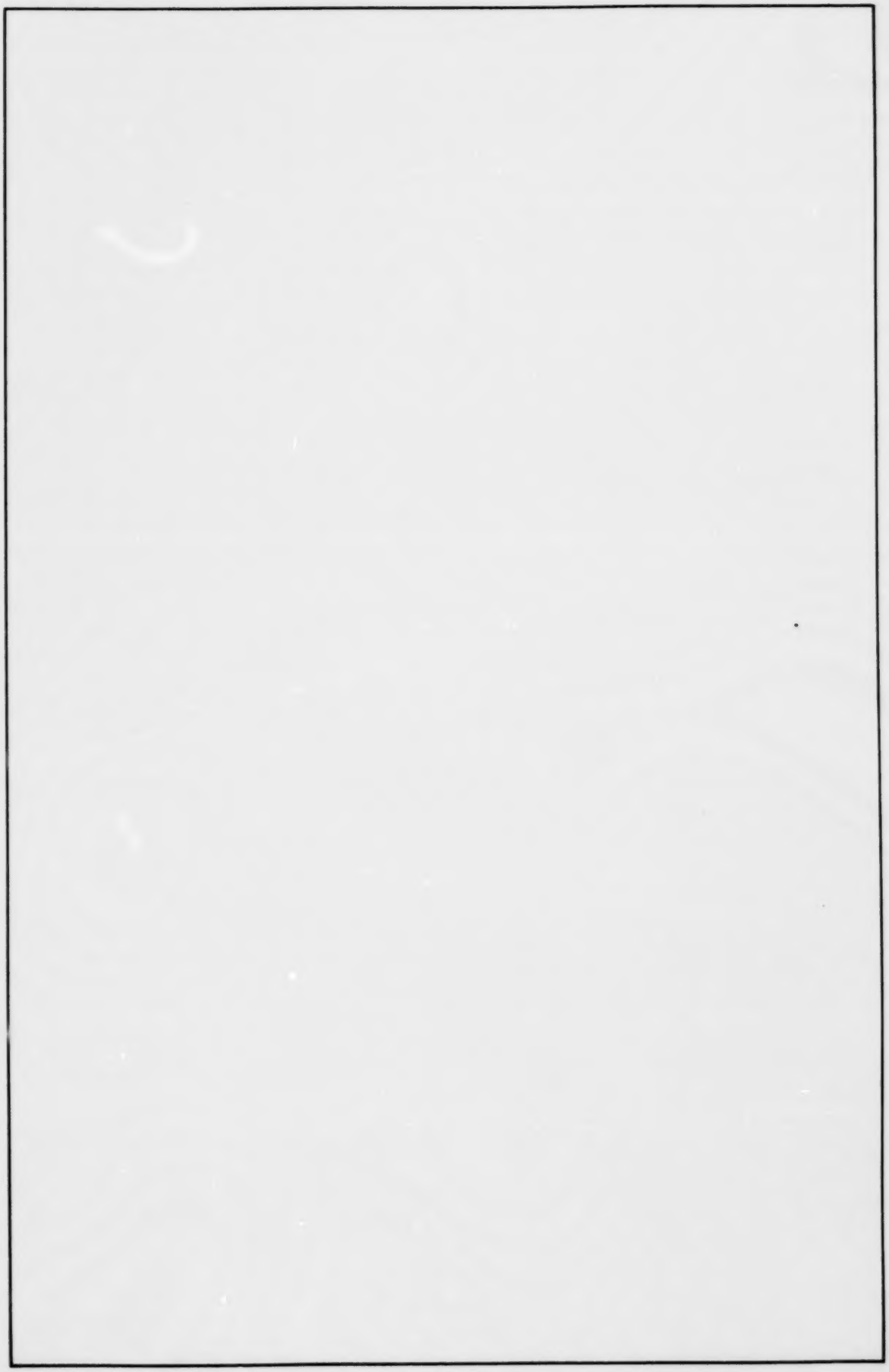

NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data.

On the maps, only the areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

No present or past producers.

The township was closed to staking in 1978 due to the Bear Island Indian Caution.

AIR PHOTOS - on file in Cobalt

1" = ¼ mile for 1946 and 1959.

Air photos can also be viewed at or purchased from the Public Service Centre, Room 1640, Whitney Block.

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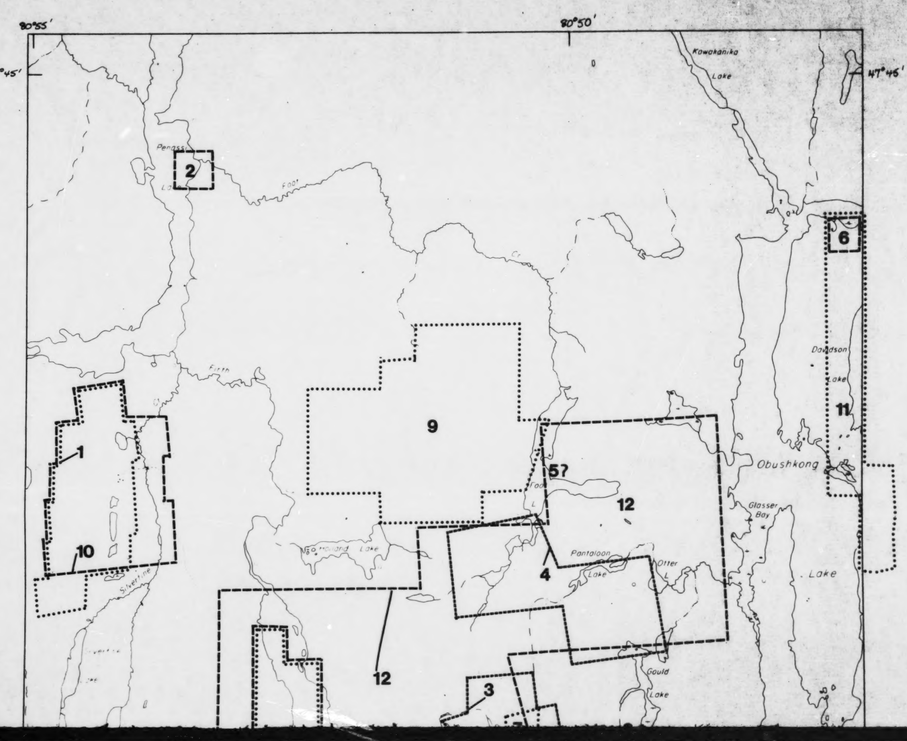


Ontario Ministry of Northern Development and Mines — Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 515

(Map 1 of 2)

VAN HISE TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area

(Map 1 of 2)

VAN HISE TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

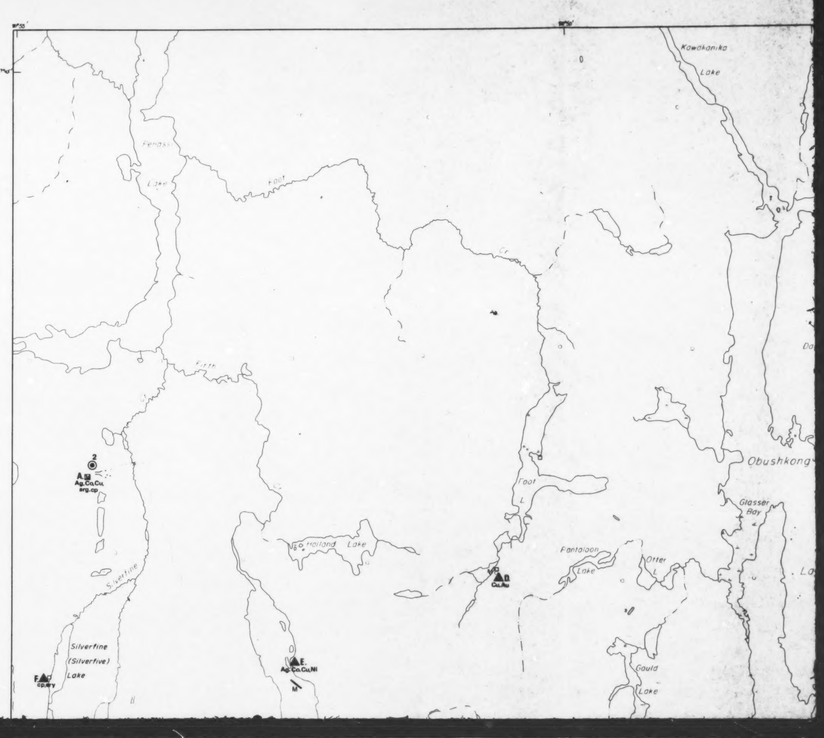
GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly — Length of anomaly along flight line
- Airborne electromagnetic anomaly — Location of anomaly along flight line
- Airborne electromagnetic anomaly — Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop VLF - Very low freq.; Turam; JEM - Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry
- Adit
- Sand and/or gravel pit
- Open pit
- Number of trenches or pits in a small area

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



Ontario Ministry of Northern Development and Mines — Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 515

(Map 2 of 2)

VAN HISE TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number

(Map 2 of 2)

VAN HISE TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

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- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
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